

AMENDMENT UNDER 37 C.F.R. § 1.111
U. S. Application No. 09/749,752

IN THE CLAIMS:

The claims are as follows:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Currently Amended) An analysis system for analyzing a target substance by causing the target substance marked with a marker to bind selectively to some of plural types of probes arranged and fixed on a test piece and detecting positions of the probes to which the target substance has bound comprising:

means for attaching management information peculiar to the test piece to a predetermined location on the test piece,

means for obtaining information concerning the positions of the probes to which the target substance has bound, and simultaneously means for detecting the management information attached to the test piece, and

means for storing the management information in association with the information concerning the positions of the probes to which the target substance has bound.

7. (Original) An analysis system according to Claim 6, further comprising means for searching through the means for storing referring to specified management information to find

AMENDMENT UNDER 37 C.F.R. § 1.111
U. S. Application No. 09/749,752

the information concerning the positions of the probes to which the target substance has bound associated with the specified management information.

8. (Original) An analysis system according to Claim 6 or 7, wherein the management information is printed on the test piece using a marker the same as or similar to the marker used for marking the target substance.

9. (Currently Amended) An analysis system for analyzing a target substance by causing the target substance marked with a marker to bind selectively to some of plural types of probes arranged and fixed on a test piece and detecting positions of the probes to which the target substance has bound comprising:

means for attaching encoded management information to a predetermined location on the test piece as ID information peculiar to the test piece,

means for obtaining information concerning the positions of the probes to which the target substance has bound, and simultaneously ~~means for~~ detecting the ID information attached to the test piece,

first storing means for storing the management information in association with the ID information,

means for decoding the detected ID information by searching through the first storing means referring to the detected ID information to find the management information associated with the detected ID information, and

second storing means for storing the management information in association with the information concerning the positions of the probes to which the target substance has bound.

AMENDMENT UNDER 37 C.F.R. § 1.111
U. S. Application No. 09/749,752

10. (Original) An analysis system according to Claim 9, further comprising means for searching through the second storing means referring to specified management information to find the information concerning the positions of the probes to which the target substance has bound associated with the specified management information.

11. (Original) An analysis system according to Claim 9 or 10, wherein the ID information is printed on the test piece using a marker the same as or similar to the marker used for marking the target substance.

12. (New) The analysis system of claim 6, wherein the management information identifies the type and the position of each probe arranged and fixed on the test piece.

13. (New) The analysis system of claim 6, wherein the management information includes at least one of a type of a base of the test piece, a date of preparing the test piece, substances used as the probes and the positions of the probes.

14. (New) The analysis system of claim 9, wherein the management information identifies the type and the position of each probe arranged and fixed on the test piece.

15. (New) The analysis system of claim 9, wherein the management information includes at least one of a type of a base of the test piece, a date of preparing the test piece, substances used as the probes and the positions of the probes.

16. (New) An analysis system for analyzing a target substance by causing the target substance marked with a marker to bind selectively to some of plural types of probes arranged and fixed on a test piece and detecting positions of the probes to which the target substance has bound comprising:

AMENDMENT UNDER 37 C.F.R. § 1.111
U. S. Application No. 09/749,752

means for attaching management information peculiar to the test piece to a predetermined location on the test piece,

means for obtaining information concerning the positions of the probes to which the target substance has bound,

means for detecting the management information attached to the test piece, and

means for storing the management information in association with the information concerning the positions of the probes to which the target substance has bound,

wherein obtaining the information concerning the positions of the probes to which the target substance has bound occurs simultaneously with detecting the management information attached to the test piece.

17. (New) An analysis system for analyzing a target substance by causing the target substance marked with a marker to bind selectively to some of plural types of probes arranged and fixed on a test piece and detecting positions of the probes to which the target substance has bound comprising:

means for attaching encoded management information to a predetermined location on the test piece as ID information peculiar to the test piece,

means for obtaining information concerning the positions of the probes to which the target substance has bound,

means for detecting the ID information attached to the test piece,

first storing means for storing the management information in association with the ID information,

AMENDMENT UNDER 37 C.F.R. § 1.111
U. S. Application No. 09/749,752

means for decoding the detected ID information by searching through the first storing means referring to the detected ID information to find the management information associated with the detected ID information, and

second storing means for storing the management information in association with the information concerning the positions of the probes to which the target substance has bound, wherein obtaining information concerning the positions of the probes to which the target substance has bound occurs simultaneously with detecting the ID information attached to the test piece.